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		FILING DATE July 18, 2003	ART UNIT 1653				
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/MH/	AA1	4,859,587	08/22/1989	Roizman			04/25/1986
	AB1	4,879,239	11/07/1989	Daggett <i>et al.</i>			09/09/1986
	AC1	4,960,707	10/02/1990	Lacks			08/17/1987
	AD1	5,077,214	12/31/1991	Guarino <i>et al.</i>			07/07/1989
	AE1	5,082,784	01/21/1992	Chatterjee <i>et al.</i>			03/20/1990
	AF1	5,098,839	03/24/1992	Polisson			05/10/1990
	AG1	5,139,942	08/18/1992	Benner			05/19/1988
	AH1	5,147,800	09/15/1992	Hammond <i>et al.</i>			06/08/1990
	AI1	5,155,037	10/13/1992	Summers			08/04/1989
	AJ1	5,162,222	11/10/1992	Guarino <i>et al.</i>			09/17/1990
	AK1	5,169,784	12/08/1992	Summers <i>et al.</i>			09/17/1990
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	WO 94/08598	04/28/1994	WIPO			Yes No
	AM1	WO 94/12649	06/09/1994	WIPO			Yes No
	AN1	WO 94/28938	12/22/1994	WIPO			Yes No
	AO1	WO 95/00655	01/05/1995	WIPO			Yes No
	AP1	WO 96/17053	06/06/1996	WIPO			Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	1	Abremski, K., <i>et al.</i> , "Bacteriophage P1 Cre- <i>loxP</i> Site-specific Recombination," <i>J. Biol. Chem.</i> 261:391-396, The American Society of Biological Chemists, Inc. (1986)				
	AS	1	Ambler, R.P., "The structure of β -lactamases," <i>Phil. Trans. R. Soc. Lond.</i> 289:321-331, The Royal Society (1980)				
	AT	1	Andersen, A.H., <i>et al.</i> , "Studies of the Topoisomerase II-mediated Cleavage and Religation Reactions by Use of a Suicidal Double-stranded DNA Substrate," <i>J. Biol. Chem.</i> 266:9203-9210, The American Society for Biochemistry and Molecular Biology, Inc. (1991)				
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/MH/	AA2	5,179,015	01/12/1993	Wilson <i>et al.</i>			07/23/1990
	AB2	5,192,675	03/09/1993	Chatterjee <i>et al.</i>			01/17/1992
	AC2	5,200,333	04/06/1993	Wilson			03/19/1991
	AD2	5,202,248	04/13/1993	VanCott			11/02/1990
	AE2	5,231,021	07/27/1993	Chatterjee			04/10/1992
	AF2	5,244,805	09/14/1993	Miller			01/17/1991
	AG2	5,248,605	09/28/1993	Chatterjee			12/07/1992
	AH2	5,252,479	10/12/1993	Srivastava			11/08/1991
	AI2	5,304,480	04/19/1994	Chatterjee			03/19/1993
	AJ2	5,312,746	05/17/1994	Longo <i>et al.</i>			01/08/1993
	AK2	5,334,526	08/02/1994	Smith <i>et al.</i>			05/28/1993

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	AL2	WO 96/19497	06/27/1996	WIPO			Yes No
	AM2	WO 98/56943	12/17/1998	WIPO			Yes No
	AN2	WO 01/11058	02/15/2001	WIPO			Yes No
	AO						Yes No
	AP						Yes No

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	AR	2	Andersson, S., <i>et al.</i> , Cloning, Structure, and Expression of the Mitochondrial Cytochrome P-450 Sterol 26-Hydroxylase, a Bile Acid Biosynthetic Enzyme," <i>J. Biol. Chem.</i> 264:8222-8229, The American Society for Biochemistry and Molecular Biology, Inc. (1989)
	AS	2	Aoki, K., <i>et al.</i> , "Efficient Generation of Recombinant Adenoviral Vectors by Cre-lox Recombination In Vitro," <i>Mol. Med.</i> 5:224-231, Picower Institute Press (1999)
	AT	2	Araki, H., <i>et al.</i> , "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," <i>J. Mol. Biol.</i> 225:25-37, Academic Press (1992)

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/MH/.	AA3	5,334,575	08/02/1994	Noonan <i>et al.</i>			12/17/1992
	AB3	5,348,886	09/20/1994	Lee <i>et al.</i>			09/04/1992
	AC3	5,470,740	11/28/1995	Longo <i>et al.</i>			11/04/1993
	AD3	5,534,428	07/09/1996	Longo <i>et al.</i>			09/06/1994
	AE3	5,672,344	09/30/1997	Kelley <i>et al.</i>			02/10/1994
	AF3	5,686,279	11/11/1997	Finer <i>et al.</i>			06/10/1994
	AG3	5,741,486	04/21/1998	Pathak <i>et al.</i>			06/06/1995
	AH3	5,741,657	04/21/1998	Tsien <i>et al.</i>			03/20/1995
	AI3	5,766,891	06/16/1998	Shuman			12/19/1994
	AJ3	5,834,256	11/10/1998	Finer <i>et al.</i>			06/11/1993
	AK3	5,851,808	12/22/1998	Elledge <i>et al.</i>			02/28/1997

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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	AR	<u>3</u>	Argos, P., <i>et al.</i> , "The integrase family of site-specific recombinases: regional similarities and global diversity," <i>EMBO J.</i> 5:433-440, IRL Press Limited (1986)
	AS	<u>3</u>	Baek, S-C., <i>et al.</i> , "Sustainable Systemic Delivery via a Single Injection of Lentivirus into Human Skin Tissue," <i>Hum. Gene Ther.</i> 12:1551-1558, Mary Ann Liebert, Inc. (2001)
	AT	<u>3</u>	Bass, B.L., "Double-Stranded RNA as a Template for Gene Silencing," <i>Cell</i> 101:235-238, Cell Press (2000)

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/MH/	AA4	5,858,740	01/12/1999	Finer <i>et al.</i>			05/10/1995
	AB4	5,888,732	03/30/1999	Hartley <i>et al.</i>			06/07/1996
	AC4	5,888,795	03/30/1999	Hamilton			09/09/1997
	AD4	5,955,604	09/21/1999	Tsien <i>et al.</i>			10/21/1997
	AE4	5,981,275	11/09/1999	Armentano <i>et al.</i>			04/14/1997
	AF4	5,994,106	11/30/1999	Kovesdi <i>et al.</i>			11/26/1996
	AG4	5,994,136	11/30/1999	Naldini <i>et al.</i>			12/12/1997
	AH4	5,998,205	12/07/1999	Hallenbeck <i>et al.</i>			08/01/1997
	AI4	5,998,208	12/07/1999	Fraefel <i>et al.</i>			01/21/1998
	AJ4	6,013,516	01/11/2000	Verma <i>et al.</i>			10/06/1995
	AK4	6,025,192	02/15/2000	Beach <i>et al.</i>			09/20/1996

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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	AR	4	Bergelson, J.M., <i>et al.</i> , "Isolation of a Common Receptor for Coxsackie B Viruses and Adenoviruses 2 and 5," <i>Science</i> 275:1320-1323, The American Association for the Advancement of Science (1997)
	AS	4	Berger, J.M., "Structure of DNA topoisomerases," <i>Biochim. Biophys. Acta</i> 1400:3-18, Elsevier Science B.V. (1998)
	AT	4	Bernstein, E., <i>et al.</i> , "The rest is silence," <i>RNA</i> 7:1509-21, Cambridge University Press (2001)

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/MH/	AA5	6,031,094	02/29/2000	Tsien <i>et al.</i>			07/23/1998
	AB5	6,040,174	03/21/2000	Imler <i>et al.</i>			05/27/1994
	AC5	6,051,427	04/18/2000	Finer <i>et al.</i>			08/21/1995
	AD5	6,086,902	07/11/2000	Zamb <i>et al.</i>			09/09/1994
	AE5	6,110,735	08/29/2000	Chartier <i>et al.</i>			12/01/1995
	AF5	6,120,764	09/19/2000	Graham <i>et al.</i>			06/07/1995
	AG5	6,121,043	09/19/2000	Cochran <i>et al.</i>			08/15/1997
	AH5	6,127,175	10/03/2000	Vigne <i>et al.</i>			01/19/1996
	AI5	6,133,028	10/17/2000	Imler <i>et al.</i>			09/30/1999
	AJ5	6,136,594	10/24/2000	Dalemans <i>et al.</i>			05/16/1995
	AK5	6,140,087	10/31/2000	Graham <i>et al.</i>			05/31/1994

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	AL						Yes No
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	AR	5	Bett, A.J., <i>et al.</i> , "An efficient and flexible system for construction of adenovirus vectors with insertions or deletions in early regions 1 and 3," <i>Proc. Natl. Acad. Sci.</i> 91:8802-8806, The National Academy of Sciences (1994)
	AS	5	Blissard, G.W., and Rohrmann, G.F., "Baculovirus gp64 Gene Expression: Analysis of Sequences Modulating Early Transcription and Transactivation by IE1," <i>J. Virology</i> 65:5820-5827, American Society for Microbiology (1991)
	AT	5	Blissard, G.W., and Rohrmann, G.F., "Location, Sequence, Transcriptional Mapping, and Temporal Expression of the gp64 Envelope Glycoprotein Gene of the <i>Ornyia pseudotsugata</i> Multicapsid Nuclear Polyhedrosis Virus," <i>Virology</i> 170:537-555, Academic Press, Inc. (1989)

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/MH/	AA6	6,143,557	11/07/2000	Hartley <i>et al.</i>			01/20/1999
	AB6	6,156,497	12/05/2000	Kaleko			04/13/1998
	AC6	6,165,782	12/26/2000	Naldini <i>et al.</i>			03/18/1999
	AD6	6,171,861	01/09/2001	Hartley <i>et al.</i>			01/12/1998
	AE6	6,194,191	02/27/2001	Zhang <i>et al.</i>			11/20/1997
	AF6	6,204,060	03/20/2001	Mehtali <i>et al.</i>			07/24/1996
	AG6	6,218,187	04/17/2001	Finer <i>et al.</i>			03/11/1999
	AH6	6,228,646	05/08/2001	Hardy			03/07/1997
	AI6	6,255,060	07/03/2001	Eberwine <i>et al.</i>			06/22/1999
	AJ6	6,261,807	07/17/2001	Crouzet <i>et al.</i>			08/08/1997
	AK6	6,270,969	08/07/2001	Hartley <i>et al.</i>			01/20/1999

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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	AR	6	Blissard, G.W., <i>et al.</i> , "A Synthetic Early Promoter from a Baculovirus: Roles of the TATA Box and Conserved Start Site CAGT Sequence in Basal Levels of Transcription," <i>Virology</i> 190:783-793, Academic Press, Inc. (1992)
	AS	6	Boshart, M., <i>et al.</i> , "A Very Strong Enhancer Is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," <i>Cell</i> 41:521-530, MIT (1985)
↓	AT	6	Bout, A., <i>et al.</i> , "Lung Gene Therapy: <i>In Vivo</i> Adenovirus-Mediated Gene transfer to Rhesus Monkey Airway Epithelium," <i>Human Gene Therapy</i> 5:3-10, Mary Ann Liebert, Inc. (1994)

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/MH/	AA7	6,277,608	08/21/2001	Hartley <i>et al.</i>			04/22/1999
	AB7	6,277,620	08/21/2001	Gwynn <i>et al.</i>			04/26/1999
	AC7	6,281,000	08/28/2001	Chartier <i>et al.</i>			12/21/1999
	AD7	6,291,162	09/18/2001	Tsien <i>et al.</i>			10/15/1996
	AE7	6,300,118	10/09/2001	Chavez <i>et al.</i>			06/07/1995
	AF7	6,319,703	11/20/2001	Speck			04/25/1997
	AG7	6,323,024	11/27/2001	Tracy <i>et al.</i>			03/27/2000
	AH7	2002/0007051 A1	01/17/2002	Cheo <i>et al.</i>			12/11/2000
	AI7	6,342,224	01/29/2002	Bruck <i>et al.</i>			02/18/2000
	AJ7	6,342,229	01/29/2002	O'Hare <i>et al.</i>			08/02/1999
	AK7	6,379,967	04/30/2002	Meredith <i>et al.</i>			03/04/1999

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	AL						Yes No
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	AN						Yes No
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	AR	Z	Broach, J.R., <i>et al.</i> , "Recombination within the Yeast Plasmid 2 μ Circle Is Site-Specific," <i>Cell</i> 29:227-234, MIT (1982)
	AS	Z	Buchsacher Jr., G.L., and Wong-Staal, F., "Development of lentiviral vectors for gene therapy for human diseases," <i>Blood</i> 95:2499-2504, The American Society of Hematology (2000)
↓	AT	Z	Burcin, M.M., <i>et al.</i> , "Adenovirus-mediated regulable target gene expression <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 96:355-360, National Academy of Sciences (1999)

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/MH/	AA8	6,410,311	06/25/2002	Cochran <i>et al.</i>			05/09/1997
	AB8	2002/0094574 A1	07/18/2002	Hartley <i>et al.</i>			05/16/2001
	AC8	6,472,205	10/29/2002	Tsien <i>et al.</i>			01/11/2000
	AD8	2002/0192819	12/19/2002	Hartley <i>et al.</i>			07/19/2001
	AE8	2003/0100110 A1	05/29/2003	Hartley <i>et al.</i>			11/02/1999
	AF8	2003/0186233	10/02/2003	Chesnut <i>et al.</i>			12/07/2001
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	AH						
	AI						
	AJ						
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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	AR	8	Burns, J.C., <i>et al.</i> , "Vesicular stomatitis virus G glycoprotein pseudotyped retroviral vectors: Concentration to very high titer and efficient gene transfer into mammalian and nonmammalian cells," <i>Proc. Natl. Acad. Sci.</i> 90:8033-8037, The National Academy of Sciences (1993)
	AS	8	Bush, K., <i>et al.</i> , "A Functional Classification Scheme for β -Lactamases and Its Correlation with Molecular Structure," <i>Antimicrob. Agents Chemother.</i> 39:1211-1233, American Society for Microbiology (1995)
	AT	8	Buvoli, M., <i>et al.</i> , "Suppression of Nonsense Mutations in Cell Culture and Mice by Multimerized Suppressor tRNA Genes," <i>Mol. Cell. Biol.</i> 20:3116-3124, American Society for Microbiology (2000)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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/MH/	AR	9	Campbell, A.M., "Chromosomal Insertion Sites for Phages and Plasmids," <i>J. Bacteriol.</i> 174:7495-7499, American Society for Microbiology (1992)
/MH/	AS	9	Capone, J.P., <i>et al.</i> , "Amber, ochre and opal suppressor tRNA genes derived from a human serine tRNA gene," <i>EMBO J.</i> 4:213-221, IRL Press Limited (1985)
/MH/	AT	9	Capone, J.P., <i>et al.</i> , "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the <i>Escherichia coli</i> Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells," <i>Molecular and Cellular Biology</i> 6:3059-3067, American Society for Microbiology (1986)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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/MH/	AR	<u>10</u>	Caron, P.R., and Wang, J.C., "Appendix II: Alignment of Primary Sequences of DNA Topoisomerases," <i>Adv. Pharmacol.</i> 29B:271-297, Academic Press, Inc. (1994)
/MH/	AS	<u>10</u>	Chalfie, M., <i>et al.</i> , "Green Fluorescent Protein as a Marker for Gene Expression," <i>Science</i> 263:802-805, American Association for the Advancement of Science (1994)
/MH/	AT	<u>10</u>	Chen, C., and Okayama, H., "High-Efficiency Transformation of Mammalian Cells by Plasmid DNA," <i>Mol. Cell. Biol.</i> 7:2745-2752, American Society for Microbiology (1987)

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	AO						Yes
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	66	Wigler, M., <i>et al.</i> , "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells," <i>Cell</i> 11:223-232, MIT (1977)
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/MH/	AT	66	Wilson, T.M., <i>et al.</i> , "Cloning of Characterization of <i>Drosophila</i> Topoisomerase III β ," <i>J. Biol. Chem.</i> 275:1533-1540, The American Society for Biochemistry and Molecular Biology (2000)

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
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10/622,088FIRST NAMED INVENTOR
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/MH/	AR	<u>67</u>	Wivel, N.A., <i>et al.</i> , "Adenovirus Vectors," in <i>The Development of Human Gene Therapy</i> , Friedmann, T., ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pp. 87-110 (1999)
/MH/	AS	<u>67</u>	Wu, G.Y., and Wu, C.H., "Delivery systems for gene therapy," <i>Biotherapy</i> 3:87-95, Kluwer Academic Publishers (1991)
/MH/	AT	<u>67</u>	Wulff, B.S., <i>et al.</i> , "Partial processing of the neuropeptide Y precursor in transfected CHO cells," <i>FEBS Lett.</i> 261:101-105, Elsevier Science Publishers B.V. (1990)

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/MH/	AS	68	Yee, J-K., <i>et al.</i> , "A general method for the generation of high-titer, pantropic retroviral vectors: Highly efficient infection of primary hepatocytes," <i>Proc. Natl. Acad. Sci.</i> 91:9564-9568, The National Academy of Sciences (1994)
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/MH/	AR	<u>69</u>	Yew, N.S., <i>et al.</i> , "High and Sustained Transgene Expression <i>in Vivo</i> from Plasmid Vectors Containing a Hybrid Ubiquitin Promoter," <i>Mol. Ther.</i> 4:75-82, The American Society of Gene Therapy (2001)
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/MH/	AT	<u>69</u>	Zatloukal, K., <i>et al.</i> , "Genetic Modification of Cells by Receptor-Mediated Adenovirus-augmented Gene Delivery: A New Approach for Immunotherapy of Cancer," <i>Verh. Dtsch. Ges. Pathol.</i> 78:171-176, Gustav Fischer Verlag (1994)

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/MH/	AR	<u>70</u>	Zhang, H.L., <i>et al.</i> , "Escherichia coli DNA Topoisomerase III Is a Site-specific DNA Binding Protein That Binds Asymmetrically to Its Cleavage Site," <i>J. Biol. Chem.</i> 270:23700-23705, The American Society for Biochemistry and Molecular Biology, Inc. (1995)
/MH/	AS	<u>70</u>	Zhang, W-W., <i>et al.</i> , "Detection of Wild-Type Contamination in a Recombinant Adenoviral Preparation by PCR," <i>BioTechniques</i> 18:444-447, Eaton Publishing Co. (1995)
/MH/	AT	<u>70</u>	Zufferey, R., <i>et al.</i> , "Self-Inactivating Lentivirus Vector for Safe and Efficient In Vivo Gene Delivery," <i>J. Virol.</i> 72:9873-9880, American Society for Microbiology (1998)

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/MH/	AR	<u>71</u>	Zylka, M.J., and Schnapp, B.J., "Optimized Filter Set and Viewing Conditions for the S65T Mutant of GFP in Living Cells," <i>BioTechniques</i> 21:220-226, Eaton Publishing Co. (1996)
/MH/	AS	<u>71</u>	NCBI Entrez, Genbank Report, Accession No. BC000141, Strausberg, R.L., <i>et al.</i> , (2002)
/MH/	AT	<u>71</u>	NCBI Entrez, Genbank Report, Accession No. X02340 M10241, Hollingshead, S., and Vapnek, D., (1985)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	<u>72</u>	293A Cell Line Manual, catalog no. R705-07, version B, March 31, 2003, Invitrogen Corporation, Carlsbad, CA
/MH/	AS	<u>72</u>	Bac to Bac™ Baculovirus Expression System Manual, catalog nos. 10359-016, 10360-014, 10584-027, 10712-024, version C, p. 27, December 19, 2002, Invitrogen Corporation, Carlsbad, CA
/MH/	AT	<u>72</u>	Bac to Bac™ Baculovirus Expression System Manual, catalog nos. 11827-011, 11806-015, 11804-010 and 11807-013, version D, October 3, 2003, Invitrogen Corporation, Carlsbad, CA

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/MH/	AR	<u>73</u>	Bac-n-blue™ Manual, catalog no. K855-01, version M, December 10, 2002, Invitrogen Corporation, Carlsbad, CA
/MH/	AS	<u>73</u>	Guide To Baculovirus Expression Systems (BEVS) and Insect Cell Culture Techniques Manual, catalog nos. 10359016, 10360014, 10608016, 11827011, February 27, 2002, Invitrogen Corporation, Carlsbad, CA
/MH/	AT	<u>73</u>	pAd/CMV/V5-DEST™ and pAd/PL-DEST™ GATEWAY™ Vector Manual, catalog nos. V493-20 and 494-20, version C, September 22, 2003, Invitrogen Corporation, Carlsbad, CA

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	AO						Yes
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	74	pENTR Directional TOPO® Cloning Kits Manual, catalog nos. K2400-20, K2400-480, K2400-500, K2420-20, K2420-480, K2420-500, Version B, July 9, 2002, Invitrogen Corporation, Carlsbad, CA
/MH/	AS	74	pLenti6/V5 Directional TOPO® Cloning Kit Manual, catalog no. K4955-10, version B, Invitrogen Corporation, Carlsbad, CA
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	AP						Yes
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	AR	<u>75</u>	ProBond™ Resin Purification System Manual, catalog nos. R801-01, R801-15, version F, Invitrogen Corporation, Carlsbad, CA
/MH/	AS	<u>75</u>	The GATEWAY™ Technology Instruction Manual, catalog nos. 12535-019, and 12535-027, version E, September 22, 2003, Invitrogen Corporation, Carlsbad, CA
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	AR	<u>76</u>	ViraPower™ Lentiviral Expression System Manual, catalog nos. K4950-00, K4960-00, K4970-00, K4975-00, K4980-00, K4985-00, and K4990-00, version B, April 2, 2002, Invitrogen Corporation, Carlsbad, CA
/MH/	AS	<u>76</u>	United States Application No. 09/177,387, Hartley <i>et al.</i> , filed October 23, 1998 (NOT PUBLISHED)
/MH/	AT	<u>76</u>	United States Application No. 09/517,466, Hartley <i>et al.</i> , filed March 2, 2000 (NOT PUBLISHED)

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/MH/	AR	<u>77</u>	United States Application No. 09/695,065, Brasch <i>et al.</i> , filed October 25, 2000 (NOT PUBLISHED)
/MH/	AS	<u>77</u>	United States Application No. 09/984,239, Brasch <i>et al.</i> , filed October 29, 2001 (NOT PUBLISHED)
	AT		

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Bennett *et al.*

Appl. No. 10/622,088

Filed: July 18, 2003

For: **Viral Vectors Containing
Recombination Sites**



Confirmation No. 1853

Art Unit: 1653

Examiner: *To be assigned*

Atty. Docket: 0942.5450007/RWE/BJD/SJE

First Supplemental Information Disclosure Statement

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450
Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

The numbering on this First Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Information Disclosure Statement filed herewith, in connection with the above-captioned application.

Copies of documents **AG8-AK8**, **AA9-AK9**, **AA10-AK10**, **AA11-AK11**, **AA12-AK12**, **AA13-AK13**, **AA14-AK14** and **AA15-AK15** are not provided in accordance with the U.S. Patent and Trademark Office pre-OG notice of July 11, 2003, which states "[t]he Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003."

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to non-English language documents **AN8** and **AL9** cited on Form PTO-1449:

Document AN8, PCT Patent Publication No. WO 98/53056, is in the German language.

An unverified English language document related to AN8 is attached as document AJ13.

Document AL9, PCT Patent Publication No. WO 99/25851, is in the Japanese language.

An unverified English language document related to AL9 is attached as document AO9.

The Examiner's attention is directed to the following patents and co-pending U.S. Patent Applications, which are directed to related technical subject matter:

U.S. Patent Application No. 10/640,422, Cheo *et al.*, filed August 14, 2003 and submitted herewith as document AS180;

U.S. Application No. 09/498,074, Hartley *et al.*, now U.S. Patent No. 6,720,140, issued April 13, 2004, listed herein as document AJ15; and

U.S. Patent Application No. 10/680,316, Hartley *et al.*, filed October 8, 2003 published April 1, 2004 as 2004/0063207A1 and submitted herewith as document AK15.

The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to these applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached Form PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Bennett *et al.*
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Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

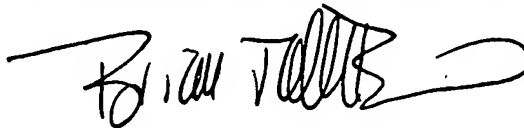
This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



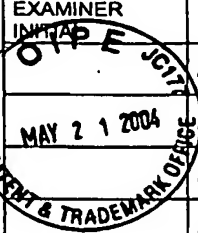
Brian J. Del Buono
Attorney for Applicants
Registration No. 42,473

Date: May 21, 2004
1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

FORM PTO-1449

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/MH/	AG8	4,626,505	12/02/1986	Falco			02/24/1984
	AH8	4,673,640	06/16/1987	Backman			04/30/1984
	AI8	4,683,195	07/28/1987	Mullis <i>et al.</i>			02/07/1986
	AJ8	4,683,202	07/28/1987	Mullis			10/25/1985
	AK8	4,743,546	05/10/1998	Backman <i>et al.</i>			02/13/1985

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	AN						Yes No
	AO2	EP 0 160 571 A2	11/06/1985	Europe			Yes No
	AP2	EP 0 220 009	04/29/1987	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>78</u>	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," <i>J. Biol. Chem.</i> 259:1509-1514, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1984)
	AS	<u>78</u>	Abremski, K., <i>et al.</i> , "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," <i>Cell</i> 32:1301-1311, Cell Press (1993)
	AT	<u>78</u>	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage λ <i>xis</i> Gene Product Required for λ Excisive Recombination," <i>J. Biol. Chem.</i> 257(16):9658-9662, American Society for Biochemistry and Molecular Biology (1982)

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/MH/	AA9	4,959,317	09/25/1990	Sauer			04/29/1987
	AB9	4,965,188	10/23/1990	Mullis <i>et al.</i>			06/17/1987
	AC9	5,093,257	03/03/1992	Gray			11/01/1989
	AD9	5,102,797	04/07/1992	Tucker <i>et al.</i>			05/26/1989
	AE9	5,159,062	10/27/1992	Knapp <i>et al.</i>			01/19/1990
	AF9	5,227,288	07/13/1993	Blattner			10/01/1990
	AG9	5,286,632	02/15/1994	Jones			01/09/1991
	AH9	5,334,375	08/02/1994	Nabi <i>et al.</i>			07/16/1992
	AI9	5,354,668	10/11/1994	Auerbach			10/15/1993
	AJ9	5,378,618	01/03/1995	Sternberg <i>et al.</i>			09/29/1992
	AK9	5,434,066	07/18/1995	Bebbee <i>et al.</i>			03/15/1994

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	AL3	EP 0 300 422	01/25/1989	Europe			Yes No
	AM3	WO 90/11375	10/04/1990	WIPO			Yes No
	AN3	WO 91/02801	03/07/1991	WIPO			Yes No
	AO3	EP 0 427 074	05/15/1991	Europe			Yes No
	AP3	WO 91/09957	07/11/1991	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	79	Adams, D.E., <i>et al.</i> , "Cre-lox Recombination in <i>Escherichia coli</i> Cells: Mechanistic Differences from the <i>in Vitro</i> Reaction," <i>J. Mol. Biol.</i> 226:661-673, Academic Press (1992)
	AS	79	Akagi, K., <i>et al.</i> , "Cre-mediated somatic site-specific recombination in mice," <i>Nucl. Acids Res.</i> 25:1781-1788, Oxford University Press (May 1997)
	AT	79	Aladjem, M.I., <i>et al.</i> , "Positive Selection of FLP-Mediated Unequal Sister Chromatid Exchange Products in Mammalian Cells," <i>Mol. Cell. Biol.</i> 17:857-861, American Society for Microbiology (February 1997)

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/MH/	AA10	5,470,727	11/28/1995	Mascarenhas <i>et al.</i>			12/21/1993
	AB10	5,527,695	06/18/1996	Hodges <i>et al.</i>			01/29/1993
	AC10	5,591,609	01/07/1997	Auerbach			02/03/1995
	AD10	5,605,793	02/25/1997	Stemmer			02/17/1994
	AE10	5,614,389	03/25/1997	Auerbach			09/26/1995
	AF10	5,635,381	06/03/1997	Hooykaas <i>et al.</i>			01/20/1995
	AG10	5,650,308	07/22/1997	Baum			06/07/1995
	AH10	5,650,557	07/22/1997	Hannah <i>et al.</i>			06/07/1995
	AI10	5,658,772	08/19/1997	Odell <i>et al.</i>			07/27/1994
	AJ10	5,677,170	10/14/1997	Devine <i>et al.</i>			03/02/1994
	AK10	5,677,177	10/14/1997	Wahl <i>et al.</i>			06/07/1995

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	AL4	WO 91/16427	10/31/1991	WIPO			Yes No
	AM4	WO 92/15694	09/17/1992	WIPO			Yes No
	AN4	WO 92/20791	11/26/1992	WIPO			Yes No
	AO4	WO 92/22650	12/23/1992	WIPO			Yes No
	AP4	EP 0 542 466 A2	05/19/1993	Europe			Yes No

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	AR	<u>80</u>	Albert, H., <i>et al.</i> , "Site-specific Integration of DNA into wild-type and mutant <i>lox</i> sites placed in the plant genome," <i>Plant J.</i> 7:649-659, Blackwell Science Ltd. (1995)
	AS	<u>80</u>	Andrews, B.J., <i>et al.</i> , "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences," <i>Cell</i> 40:795-803, Cell Press (1985)
	AT	<u>80</u>	Andrews, B.J., <i>et al.</i> , "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2 μ m Plasmid with Mutated Target Sequences," <i>Mol. Cell. Biol.</i> 6:2482-2489, American Society for Microbiology (1986)

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/MH/	AA11	5,710,248	01/20/1998	Grose			07/29/1996
	AB11	5,723,765	03/03/1998	Oliver <i>et al.</i>			06/07/1995
	AC11	5,728,551	03/17/1998	Devine <i>et al.</i>			03/02/1995
	AD11	5,733,733	03/31/1998	Auerbach			02/01/1996
	AE11	5,733,743	03/31/1998	Johnson <i>et al.</i>			06/10/1996
	AF11	5,744,336	04/28/1998	Hodges <i>et al.</i>			03/08/1996
	AG11	5,776,449	07/07/1998	Baum <i>et al.</i>			09/20/1996
	AH11	5,801,030	09/01/1998	McVey <i>et al.</i>			09/01/1995
	AI11	5,814,300	09/29/1998	Scott <i>et al.</i>			03/03/1995
	AJ11	5,830,707	11/03/1998	Bushman			06/05/1995
	AK11	5,837,242	11/17/1998	Holliger <i>et al.</i>			05/14/1996

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	AL5	WO 93/15191	08/05/1993	WIPO			Yes No
	AM5	WO 93/19172	09/30/1993	WIPO			Yes No
	AN5	CA 2,141,412	02/17/1994	Canada			Yes No
	AO5	WO 94/03624 A1	02/17/1994	WIPO			Yes No
	AP5	WO 94/09127	04/28/1994	WIPO			Yes No

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	AR	81	Angelastro, J.M., <i>et al.</i> , "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," <i>Proc. Natl. Acad. Sci. USA</i> 97:10424-10429, National Academy of Sciences (September 2000)
	AS	81	Angrand, P.O., <i>et al.</i> , "Inducible expression based on regulated recombination: a single vector strategy for stable expression in cultured cells," <i>Nucl. Acids Res.</i> 26:3263-3269, Oxford University Press (July 1998)
	AT	81	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," <i>J. Virol.</i> 69:4600-4606, American Society for Microbiology (1995)

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/MH/	AA12	5,837,458	11/17/1998	Minshull <i>et al.</i>			05/20/1996
	AB12	5,843,772	12/01/1998	Devine <i>et al.</i>			11/18/1994
	AC12	5,858,657	01/12/1999	Winter <i>et al.</i>			06/07/1995
	AD12	5,871,907	02/16/1999	Winter <i>et al.</i>			03/31/1994
	AE12	5,874,259	02/23/1999	Szybalski			11/21/1997
	AF12	5,916,804	06/29/1999	Bushman			04/17/1998
	AG12	5,919,676	07/06/1999	Graham <i>et al.</i>			06/07/1995
	AH12	5,928,914	07/27/1999	Leboulch <i>et al.</i>			11/05/1996
	AI12	5,929,307	07/27/1999	Hodges <i>et al.</i>			12/20/1996
	AJ12	5,962,255	10/05/1999	Griffiths <i>et al.</i>			12/05/1994
	AK12	5,981,177	11/09/1999	Demirjian <i>et al.</i>			01/25/1995

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	AL6	WO 94/17176	08/04/1994	WIPO			Yes No
	AM6	WO 94/18333	08/18/1994	WIPO			Yes No
	AN6	WO 95/00555	01/05/1995	WIPO			Yes No
	AO6	WO 96/04393	02/19/1996	WIPO			Yes No
	AP6	WO 96/30498	10/03/1996	WIPO			Yes No

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	AR	82	Astumian, J.H., <i>et al.</i> , "Site-specific recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 171:1747-1750, American Society for Microbiology (1989)
	AS	82	Atlung, T., <i>et al.</i> , "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier Science (1991)
	AT	82	Ausubel, F.M., <i>et al.</i> , "Maps of Plasmids pBR322 and pUC19," in <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., Boston, MA, pp. 1.5.3-1.5.4 (1995)

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/MH/	AA13	5,989,872	11/22/1999	Luo <i>et al.</i>			08/12/1997
	AB13	6,010,884	01/04/2000	Griffiths <i>et al.</i>			05/29/1996
	AC13	6,040,430	03/21/2000	Stewart			12/26/1995
	AD13	6,063,627	06/16/2000	McVey <i>et al.</i>			02/25/1998
	AE13	6,066,778	05/23/2000	Ginsburg, <i>et al.</i>			11/06/1996
	AF13	6,080,576	06/27/2000	Zambrowicz, <i>et al.</i>			04/08/1998
	AG13	6,225,121	05/01/2001	Savakis, C. <i>et al.</i>			04/27/1998
	AH13	6,262,341	07/17/2001	Baszczynski <i>et al.</i>			11/17/1998
	AI13	6,271,436	08/07/2001	Piedrahita <i>et al.</i>			10/10/1997
	AJ13	6,331,397	12/18/2001	Schindelhauer <i>et al.</i>			05/11/2000
	AK13	6,361,972	03/26/2002	Harrington <i>et al.</i>			01/10/2000

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	AL7	WO 96/40722	12/19/1996	WIPO			Yes No
	AM7	WO 96/40724	12/19/1996	WIPO			Yes No
	AN7	WO 97/06265	02/20/1997	WIPO			Yes No
	AO7	WO 97/09436	03/13/1997	WIPO			Yes No
	AP7	WO 97/25446	07/17/1997	WIPO			Yes No

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	AR	83	Ausubel, F.M., <i>et al.</i> , "Mutagenesis by the Polymerase Chain reaction," in <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.9 (1995)
	AS	83	Ayres, E.K., <i>et al.</i> , "Precise Deletions in Large Bacterial Genomes by Vector-mediated Excision (VEX) The <i>trfA</i> Gene of Promiscuous Plasmid RK2 is Essential for Replication in Several Gram-negative Hosts," <i>J. Mol. Biol.</i> 230:174-185, Academic Press (1993)
	AT	83	Babineau, D., <i>et al.</i> , "The FLP Protein of the 2-micron Plasmid of Yeast," <i>J. Biol. Chem.</i> 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc. (1985)

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/MH/	AA14	6,365,377	04/02/2002	Patten <i>et al.</i>			03/03/2000
	AB14	2002/0068290 A1	06/06/2002	Yarovinsky			05/31/2001
	AC14	6,410,266	06/25/2002	Harrington <i>et al.</i>			01/07/2000
	AD14	6,410,317 B1	06/25/2002	Farmer			07/14/2000
	AE14	2002/0094574 A1	07/18/2002	Hartley <i>et al.</i>			05/16/2001
	AF14	6,436,707	08/20/2002	Zambrowicz <i>et al.</i>			03/25/1999
	AG14	2002/0172997 A1	11/21/2002	Hartley <i>et al.</i>			07/19/2001
	AH14	2002/0182731 A1	12/05/2002	Ji <i>et al.</i>			01/25/2002
	AI14	2003/0027289 A1	02/06/2003	Farmer			04/05/2002
	AJ14	2003/0027337 A1	02/06/2003	Droge <i>et al.</i>			02/25/2002
	AK14	2003/0054552 A1	03/20/2003	Hartley <i>et al.</i>			01/30/2002

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL8	WO 97/32481	09/12/1997	WIPO			Yes No
	AM8	WO 98/10086	03/12/1998	WIPO			Yes No
	AN8	WO 98/53056	11/26/1998	WIPO			Yes No X
	AO8	WO 99/10488	03/04/1999	WIPO			Yes No
	AP8	WO 99/21977	05/06/1999	WIPO			Yes No

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	AR	84	Backman, K., <i>et al.</i> , "Use of Synchronous Site-Specific Recombination <i>In Vivo</i> to Regulate Gene Expression," <i>Bio/Technology</i> 2:1045-1049 (1984)
	AS	84	Bai, C., <i>et al.</i> , "SKP1 Connects Cell Cycle Regulators to the Ubiquitin Proteolysis Machinery through a Novel Motif, the F-Box," <i>Cell</i> 86:263-274, Cell Press (July 1996)
	AT	84	Balakrishnan, R., <i>et al.</i> , "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for <i>att</i> -Int-mediated rearrangement and p_L expression vectors," <i>Gene</i> 138:101-104, Elsevier Science (January 1994)

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	AB15	2003/0059900 A1	03/27/2003	Farmer			01/17/2002
	AC15	2003/0064515 A1	04/03/2003	Hartley <i>et al.</i>			01/30/2002
	AD15	2003/0068799 A1	04/10/2003	Hartley <i>et al.</i>			06/06/2002
	AE15	2003/0077804 A1	04/24/2003	Byrd <i>et al.</i>			04/19/2002
	AF15	2003/0124555 A1	07/03/2003	Brasch <i>et al.</i>			05/21/2002
	AG15	2003/0157662 A1	08/21/2003	Gerard <i>et al.</i>			11/13/2002
	AH15	2003/0175970 A1	09/18/2003	Hartley <i>et al.</i>			11/21/2002
	AI15	2004/0053412 A1	03/18/2004	Hartley <i>et al.</i>			03/26/2003
	AJ15	6,720,140	04/13/2004	Hartley <i>et al.</i>			02/04/2000
	AK15	2004/0063207	04/01/2004	Hartley <i>et al.</i>			10/08/2003

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	AL9	WO 99/25851	05/27/1999	WIPO			Yes X No
	AM9	WO 99/55851	11/04/1999	WIPO			Yes No
	AN9	WO 00/12687	03/09/2000	WIPO			Yes No
	AO9	EP 1 035 208	09/13/2000	Europe			Yes No
	AP9	WO 00/60091	10/12/2000	WIPO			Yes No

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	AR	85	Barnes, G., and Rine, J., "Regulated expression of endonuclease <i>EcoRI</i> in <i>Saccharomyces cerevisiae</i> : Nuclear entry and biological consequences," <i>Proc. Natl. Acad. Sci. USA</i> 82: 1354-1358, National Academy of Sciences (1985)
	AS	85	Bauer, C.E., <i>et al.</i> , "Extent of Sequence Homology Required for Bacteriophage Lambda Site-specific Recombination," <i>J. Mol. Biol.</i> 181:187-197, Academic Press Inc. (1985)
	AT	85	Bayley, C.C., <i>et al.</i> , "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," <i>Plant Mol. Biol.</i> 18:353-361, Dordrecht Kluwer Academic (1992)

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/MH/	AL10	WO 01/05961	01/25/2001	WIPO			Yes No
	AM10	WO 01/07572	02/01/2001	WIPO			Yes No
	AN10	WO 01/62892	08/30/2001	WIPO			Yes No
	AO10	WO 02/05294	01/17/2002	WIPO			Yes No
	AP10	WO 02/08391	01/31/2002	WIPO			Yes No

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	AR	86	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid Ccdb Protein Involves Poisoning of DNA-topoisomerase II Complexes," <i>J. Mol. Biol.</i> 226:735-745, Academic Press, Inc. (1992)
	AS	86	Bernard, P., "Positive Selection of Recombinant DNA by CcdB," <i>BioTechniques</i> 21:320-323, Eaton Publishing Company (1996)
	AT	86	Bernard, P. <i>et al.</i> , "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase," <i>J. Mol. Biol.</i> 234:534-541, Academic Press, Inc. (1993)

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/MH/	AL11	WO 03/25161	03/27/2003	WIPO			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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	AR	87	Bernard, P., <i>et al.</i> , "Positive selection of vectors using the F plasmid <i>ccdB</i> killer gene," <i>Gene</i> 148: 71-74, Elsevier Science (1994)
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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.5450007/RWE/BJD/SJE	APPLICATION NO. 10/622,088
	FIRST NAMED INVENTOR Bennett <i>et al.</i>	
	FILING DATE July 18, 2003	ART UNIT 1653

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/MH/	AR	<u>88</u>	Bhandari, P., and Gowrishankar, J., "An <i>Escherichia coli</i> host strain useful for efficient overproduction of cloned gene products with NaCl as the inducer," <i>J. Bacteriol</i> 179:4403-4406, American Society for Microbiology (July 1997)
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	AO						Yes
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/MH/	AR	101	Davis, C.R., <i>et al.</i> , "Analysis of the Mechanisms of Action of the <i>Saccharomyces cerevisiae</i> Dominant Lethal <i>cdc42</i> ^{G12V} and Dominant Negative <i>cdc42</i> ^{D118A} Mutations," <i>J. Biol. Chem.</i> 273:849-858, The American Society for Biochemistry and Molecular Biology, Inc. (1998)
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0942.5450007/RWE/BJD/SJEAPPLICATION NO.
10/622,088FIRST NAMED INVENTOR
Bennett *et al.*FILING DATE
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/MH/	AR	<u>108</u>	Gay, P., <i>et al.</i> , "Positive Selection Procedure for Entrapment of Insertion Sequence Elements in Gram-Negative Bacteria," <i>J. Bacteriol.</i> 164:918-921, American Society for Microbiology (1985)
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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5450007/RWE/BJD/SJE
FIRST NAMED INVENTOR
Bennett *et al.*APPLICATION NO.
10/622,088FILING DATE
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FORM PTO-1449

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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5450007/RWE/BJD/SJEAPPLICATION NO.
10/622,088FIRST NAMED INVENTOR
Bennett *et al.*FILING DATE
July 18, 2003ART UNIT
1653

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/Michelle Horning/

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